PCT

REQUEST

	For receiving Office use only
International A	pplication No.
International F	iling Date
	ving Office and "PCT International Application"

	International Filing Date					
The undersigned requests that the present						
international application be processed according to the Patent Cooperation Treaty.	Name of receiving Office and "PCT International Application"					
	Applicant's or agent's file reference (if desired) (12 characters maximum) UPN-P3230PCT					
Por No. I TITLE OF INVENTION	Lig accord (12 community	0.111 0200.01				
BOX NO. I TITLE OF INVENTION ADENO-ASSOCIATED VIRUS (AAV) CLADES, SEQUENCES, VECTORS CONTAINING SAME, AND LISES THEREFOR.						
	n is also inventor					
Name and address: (Family name followed by given name; for a legal ent The address must include postal code and name of country. The country of t Box is the applicant's State (that is, country) of residence if no State of residen	Telephone No. 215-573-4508					
The Trustees of the University of Denmeyly	Facsimile No. 215-898-9519					
The Trustees of the University of Pennsylv 3160 Chestnut Street	ania	Teleprinter No.				
Suite 200		·				
Philadelphia, Pennsylvania 19104 US		Applicant's registration No. with the Office				
State (that is, country) of nationality:	of residence:					
		the United States the States indicated in the Supplemental Box				
Box No. III FURTHER APPLICANT(S) AND/OR (FURT	HER) INVENTOR(S)					
Name and address: (Family name followed by given name; for a legal en The address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of residen	the address indicated in this	This person is:				
Wilson, James M.		applicant and inventor				
1350 N. Avignon Drive	inventor only (If this check-box is marked, do not fill in below.)					
Gladwyne, Pennsylvania 19035 US		Applicant's registration No. with the Office				
State (that is, country) of nationality: US	State (that is, country) US	of residence:				
This person is applicant all designated all designate for the purposes of:	ed States except States of America	the United States the States indicated in of America only the Supplemental Box				
Further applicants and/or (further) inventors are indicated	on a continuation sheet.					
Box No. IV AGENT OR COMMON REPRESENTATIVE	e; OR ADDRESS FOR	CORRESPONDENCE				
The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authorities		agent common representative				
Name and address: (Family name followed by given name; for a legal en The address must include postal code and name of	tity, full official designation. country.)	Telephone No. 215-540-9200				
Kodroff, Cathy A.	Facsimile No.					
Howson and Howson	215-540-5818					
Spring House Corporate Center P.O. Box 457	Teleprinter No.					
Spring House, Pennsylvania 19477 US		Agent's registration No. with the Office				
		33,980				
Address for correspondence: Mark this check-box where	no agent or common rep	presentative is/has been appointed and the				

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)					
If none of the following sub-boxes is used, this sheet should not	be included in the request.				
Name and address: (Family name followed by given name; for a legal entity The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence	address indicated in this is indicated below.)	on is: pplicant only pplicant and inventor			
Gao, Guangping 408 Yorkshire Road Rosemont, Pennsylvania 19010 US	L_J i	nventor only (If this check-box s marked, do not fill in below.) t's registration No. with the Office			
	State (that is, country) of resider				
State (that is, country) of nationality: US	US Country) of residen	ntry) of residence:			
This person is applicant all designated all designated the United States	States except the United of America	States only the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name: for a legal entit The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence Alvira, Mauricio R. 4417 Pine Street Apt. 203 Philadelphia, Pennsylvania 19104 US	address indicated in this is indicated below.)	on is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) it's registration No. with the Office			
State (that is, country) of nationality: US State (that is, country) US		of residence:			
This person is applicant all designated for the purposes of:	States except the United tes of America	States the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name; for a legal entit The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence Vandenberghe, Luc H. 2224 Catharine Street Philadelphia, Pennsylvania 19146 US	e address indicated in this e is indicated below.)	son is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) ant's registration No. with the Office			
State (that is, country) of nationality: BE	State (that is, country) of reside	псе:			
This person is applicant all designated all designate the United States	States except ates of America the United				
Name and address: (Family name followed by given name; for a legal ent The address must include postal code and name of country. The country of t Box is the applicant's State (that is, country) of residence if no State of residen	e address indicated in this re is indicated below.)	applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) nt's registration No. with the Office			
State (that is, country) of nationality:	State (that is, country) of reside	nce:			
This person is applicant all designated all designate for the purposes of:	d States except the United ates of America of America				
Further applicants and/or (further) inventors are indicated on another continuation sheet.					

Supplemental Box

If the Supplemental Box is not used, this sheet should not be included in the request.

- If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which
 a special continuation box is provided, the space is insufficient
 to furnish all the information: in such case, write "Continuation
 of Box 0...." (indicate the number of the Box) and furnish the
 information in the same manner as required according to the
 captions of the Box in which the space was insufficient, in
 particular:
 - (i) if more than two persons are to be indicated as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;
 - (ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
- (iii) if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- (v) if, in Box No. VI, there are more than three earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.
- 2. If the applicant intends to make an indication of the wish that the international application be treated, in certain designated States, as an application for a patent of addition, certificate of addition, inventor's certificate of addition or utility certificate of addition: in such a case, write the name or two-letter code of each designated State concerned and the indication "patent of addition," "certificate of addition," "inventor's certificate of addition," the number of the parent application or parent patent or other parent grant and the date of grant of the parent patent or other patent grant or the date of filing of the parent application (Rules 4.11(a)(iii) and 49bis.1(a) or (b)).
- 3. If the applicant intends to make an indication of the wish that the international application be treated, in the United States of America, as a continuation or continuation-in-part of an earlier application: in such a case, write "United States of America" or "US" and the indication "continuation" or "continuation-in-part" and the number and the filing date of the parent application (Rules 4.11(a)(iv) and 49bis.1(d)).

"Continuation of Box No. IV"

Kita, Stanley B., Reg. No. 24,561 Smith, Jr., George A., Reg. No. 24,442 Bak, Mary E., Reg. No. 31,215 Bak, William, Reg. No. 37,277 Duminiak, Robert J., Reg. No. 51,636 Palovich, Tracy, Reg. No. 47,840 (patent agent)

All above attorneys are members of the firm of Howson and Howson.

Address of all is indicated in Box No. IV.

1- - 1-

Box No. V DESIGNATION	DESIGNATIONS					
The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.						
However,						
DE Germany is not des	signated for any kind of natio	onal protection				
KR Republic of Korea	is not designated for any kin	d of national protection		·		
RU Russian Federation	is not designated for any ki	nd of national protection				
(The check-boxes above may be used to exclude (irrevocably) the designations concerned in order to avoid the ceasing of the effect, under the national law, of an earlier national application from which priority is claimed. See the Notes to Box No. V as to the consequences of such national law provisions in these and certain other States.)						
Box No. VI PRIORITY (CLAIM	,,,,	*			
The priority of the following	earlier application(s) is hereb	y claimed:				
Filing date	Number	Where earlier application is:				
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office		
item (1) 30 September 2003 (30/09/03)	60/508,226	United States				
item (2) 29 April 2004 (29/04/04)	60/566,546	United States				
item (3)						
Further priority claims a	re indicated in the Supplement	ntal Box.				
The receiving Office is request the earlier application was file above as:	sted to prepare and transmit to ed with the Office which for th	o the International Bureau he purposes of this internat	a certified copy of the eartional application is the re	rlier application(s) (only if ecciving Office) identified		
all items ite	m (1) item (2)) item (3)	other, se	ee Supplemental Box		
* Where the earlier application Industrial Property or one Me	on is an ARIPO application, in	idicate at least one country	party to the Paris Conve	ention for the Protection of		
· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	·····		
Box No. VII INTERNATIONAL SEARCHING AUTHORITY						
Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):						
ISA / . EP	·					
Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):						
Date (day/month/year)	Numb	er Coun	try (or regional Office)			
Box No. VIII DECLARAT	TIONS			-		
The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable Check-boxes below and indicate in the right column the number of each type of declaration): Number of declarations						
Box No. VIII (i)	Declaration as to the identit	y of the inventor		:		
Box No. VIII (ii)						
Box No. VIII (iii)	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application					
Box No. VIII (iv)	Declaration of inventorship (only for the purposes of the designation of the United States of America)					
Box No. VIII (v)	Declaration as to non-preju	udicial disclosures or exce	ptions to lack of novelty	:		

Sheet No. ...5...

(a) in paper form, the following number of item(s) (m		Number						
	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):							
silicos.	ee calculation sheet	: 1						
request (including	riginal separate power of attorney	:						
description (excluding	riginal general power of attorney	:						
sequence listing and/or	opy of general power of attorney; reference number,							
claims : 14	any:	: , 1						
ausuaci . I i —	tatement explaining lack of signature	:						
Substitution of the state of th	riority document(s) identified in Box No. VI as em(s):	:						
	ranslation of international application into	:						
tables related thereto : 8. Sec. (for both, actual number of	eparate indications concerning deposited microorganism r other biological material	:						
sheets if filed in paper form, whether or not also filed in	equence listing in computer readable form indicate type and number of carriers)							
Computer reagance form:	a copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international applications)	.n) 1						
	 (only where check-box (b)(i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the 	,, . –						
(b) only in computer readable form (Section 801(a)(i))	purposes of international search under Rule 13ter	:						
(i) sequence listing (iii) (iii) (iii) I tables related thereto	together with relevant statement as to the identity of the copy copies with the sequence listing mentioned in left column	or : 1						
10. 🗆 ta	ables in computer readable form related to sequence listing indicate type and number of carriers)	:						
(i) sequence listing (ii) tables related thereto	 copy submitted for the purposes of international search under Section 802(b-quater) only (and not as part of the internation application) 							
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are	(only where check-box (b)(ii) or (c)(ii) is marked in left column) additional copies including, where applicable, the copy for the	e .						
contained the sequence listing: .1. diskette (iii) [purposes of international search under Section 802(b-quater together with relevant statement as to the identity of the copy							
☐ tables related thereto:	copies with the tables mentioned in left column other (specify): transmittal letter to the USRO	: 1						
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	nuer (specify): Manantial (avol. 10, vio. 94.54	. '						
	e of filing of the English							
Box No. X SIGNATURE OF APPLICANT, AGENT Next to each signature, indicate the name of the person signing and the c	OR COMMON REPRESENTATIVE capacity in which the person signs (if such capacity in which the person signs (if such capacity is not obvious from readi	ng the request).						
Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request). By: Cathy A. Kodroff Attorney for the Applicants								
	ceiving Office use only							
Date of actual receipt of the purported international application:	2. Dr	wings:						
		eceived:						
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:								
4. Date of timely receipt of the required corrections under PCT Article 11(2):								
5. International Searching Authority (if two or more are competent): ISA /	6. Transmittal of search copy delayed until search fee is paid							
For inter	For International Bureau use only							
Date of receipt of the record copy by the International Bureau:								